A hand holding a black compass with a white face and green markings. The compass is held in the foreground, with a blurred background of a mountain range and a body of water. The hand is wearing a dark jacket and a colorful beaded bracelet. The overall scene is set in a natural, outdoor environment with a blue and green color palette.

Circular Economy & Education

Circular Economy is...



A wide-angle landscape photograph of a rugged cliffside at sunset. The sky is filled with soft, orange and yellow light, transitioning into a darker blue at the horizon. The cliff face is dark and craggy, with a path leading up to a small white lighthouse perched on the edge. The foreground shows a rocky, grassy slope with a stone wall. The ocean is visible in the distance, with some rocks protruding from the water.

Linear model and a need for circularity

**And... Why is
linearity a problem?**



We need to regenerate

People

Businesses

Economy

Markets

Countries

A linear economy

A NEED FOR CIRCULARITY

12% Materials used in the EU come from recycling

+90 tonnes of materials are extracted and processed, including plastics, textiles, food, electronics.

x2 Global consumption of materials in the next 40 years

+70% Annual waste production by 2050

A landscape photograph showing multiple layers of mountains receding into the distance. The sky is a soft, hazy pink and orange, suggesting a sunset or sunrise. The foreground is a dark, silhouetted ridge of trees. The text "Multilayered issue" is overlaid in the center in a large, white, sans-serif font.

Multilayered issue

Redesign

Reduce

Refuse

Repurpose

Recover

Recycle

Reuse

Repair

Remanufacture

9 R's of the circular economy

Refuse

Repurpose

Reduce

Remanufacturing

Rethink

Reuse

Recycle

Repair

Recover

CIRCULAR PRINCIPLES

Close the loops

Challenge
ownership

Sustainable
resource
use

Regenerate

System
thinking

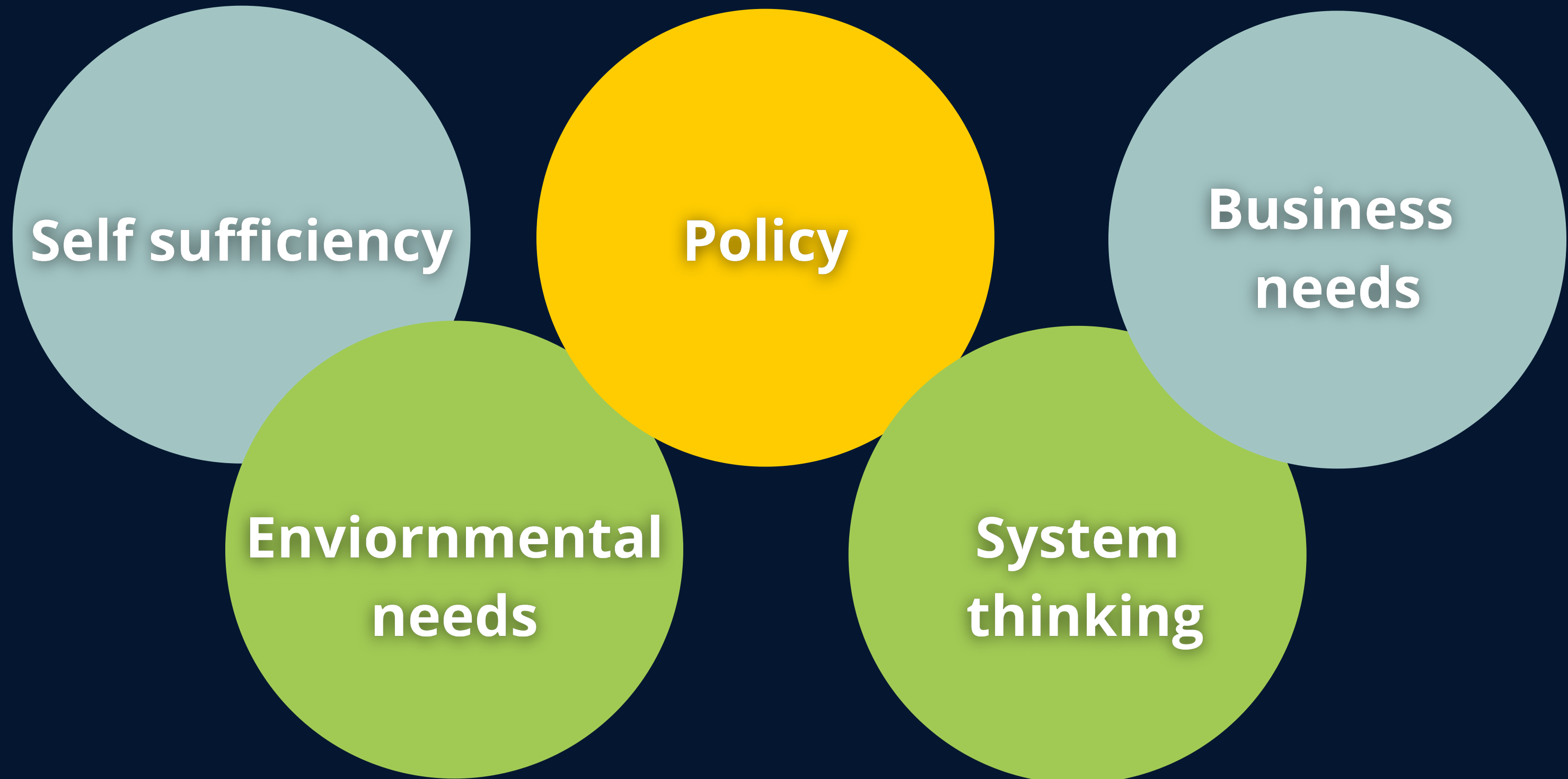
A close-up photograph of a young green plant with two heart-shaped leaves emerging from dark, textured soil. The plant is centered in the frame, and the soil is a deep, dark brown color. The lighting is soft, highlighting the texture of the leaves and the soil.

**Rethink how we use
our resources**

A person with dark hair, wearing a dark long-sleeved shirt and blue jeans, is seen from behind. They are carrying a large, grey and black plaid backpack. They stand on the shoulder of a paved road that curves into the distance. The scene is set at sunset or sunrise, with a warm, golden light illuminating the landscape. In the background, there are rolling hills, some trees, and a utility pole. A green directional sign with a white arrow pointing right is visible on the left side of the road. The overall mood is contemplative and forward-looking.

Drivers of the circular economy

Drivers of the CE





Stakeholder *systems*

The importance of engaging stakeholders

Which are the key stakeholders?

Have we mapped them?

How to listen to them?

Do we know their context and their goals and needs?



Policy

Business



Education

Citizens



- **Circular culture**
- **Awareness**
- **Knowledge**
- **Skills**



- **Bridge of knowledge, culture and stakeholders**

- **Citizens**



**Is the circular
economy enough to
make our world
sustainable?**